

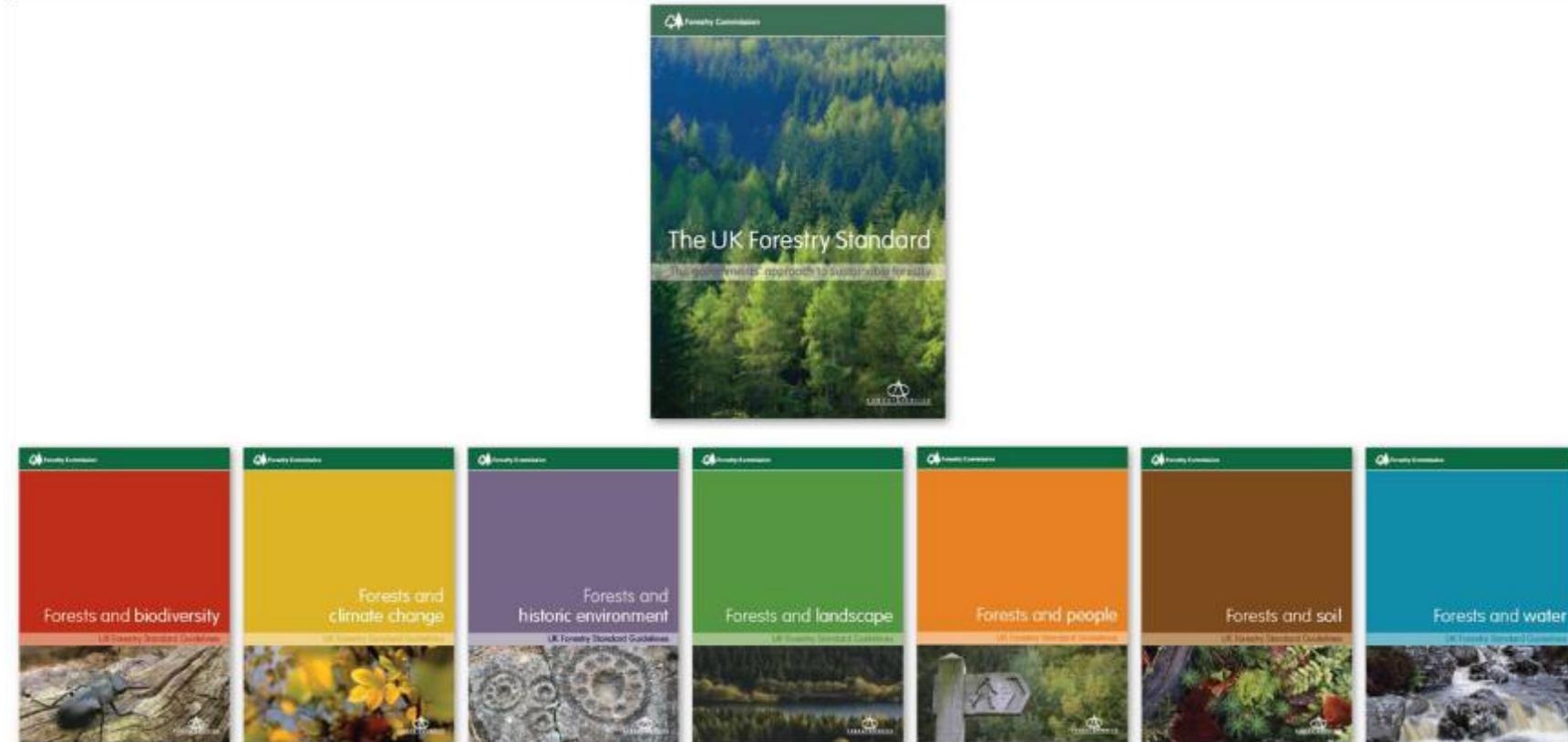
## Operational Plans – UKFS Compliance in Practice

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South West Area  
Forest Services

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District Manager  
Southern England  
Tilhill Forestry



# UK Forestry Standard



<b>Forestry agent / owner</b>	<b>Forestry Commission field team</b>
Produce a UKFS compliant Woodland Management Plan	Review and approve UKFS compliant WMP
	Grant associated Felling Licence
Implement & manage forestry operations	
Deliver restorative actions e.g. restocking	Inspect restocking after felling operations
Ensure UKFS compliance across all operations	

## Compliance in practice

- Selecting appropriate contractor
- Planning, Site risk assessment & Pre commencement
- Commencement & supervision (monitoring)
- Site hand over & restoration
- Restocking
- Summary

# Selecting appropriate contractor

- Successful tender or agreement of rates/work with an approved contractor
- Training & competence assessment

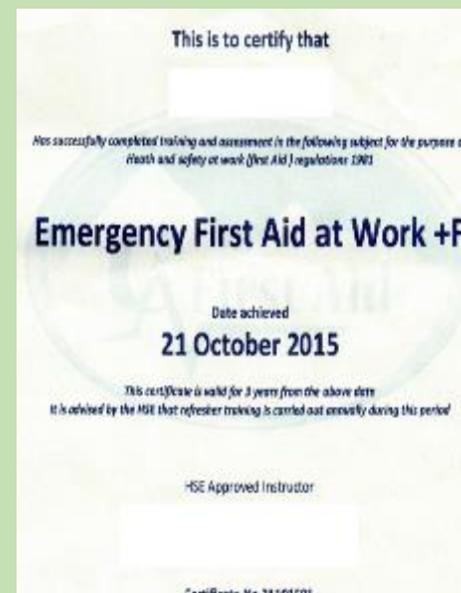
Manager to confirm if:

**Relevant** competencies & certificates – FISA

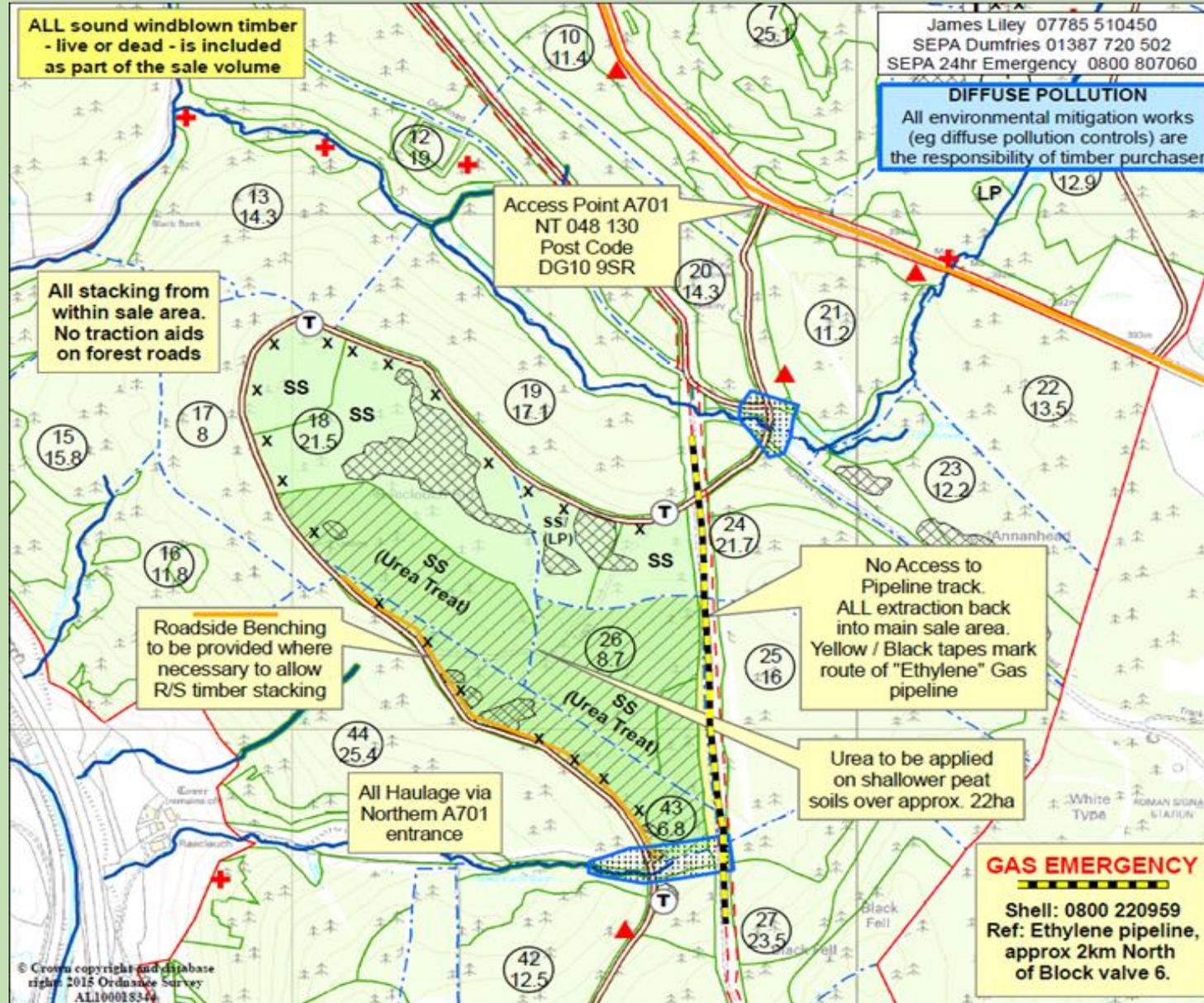
Approved as suitably trained & competent to carry out work with regard to management of H&S, Environment & quality

- Contractor monitoring & records  
Evidence of compliance

Confirm works are completed to satisfaction and with appropriate documentation completed &







**Raecleuch Forest  
Harvesting Constraints  
Lot 2 - Raecleuch 2015-02**

**Harvesting 2015**

- OG
- Sale Area SS
- Sale Area SS - Urea Treatment
- Windblow at Dec 2013
- + Archaeology
- County Road A701
- Watercourses
- Legal Bdy
- Road
- Comp Bdy
- Subcompartments
- High Diffuse Pollution Risk  
All control measures by purchaser
- High Pressure Gas Pipelines
- Shell Ethylene Gas Pipeline nearest to felling site.
- x x x x Stacking to roadside from within wood - no traction aids on forest roads
- ▲ Warning Signage

Scale 1:10,000 N  
30/03/2015

**UPM TILHILL**

Carlow House  
Locharbriggs  
Dumfries  
DG1 1QS  
Tel: 01387 711211  
Fax: 01387 711212

James Liley 07785 510450  
SEPA Dumfries 01387 720 502  
SEPA 24hr Emergency 0800 807060

**DIFFUSE POLLUTION**  
All environmental mitigation works (eg diffuse pollution controls) are the responsibility of timber purchaser

Access Point A701  
NT 048 130  
Post Code  
DG10 9SR

No Access to Pipeline track.  
ALL extraction back into main sale area.  
Yellow / Black tapes mark route of "Ethylene" Gas pipeline

Urea to be applied on shallower peat soils over approx. 22ha

**GAS EMERGENCY**

Shell: 0800 220959  
Ref: Ethylene pipeline, approx 2km North of Block valve 6.

# Site risk assessment

**Guidance Note**  
**Diffuse Pollution and Risk Assessment**

Providing guidance for Forestry and Harvesting Managers on diffuse pollution and completing an assessment to determine the vulnerability of a site and contribute to the process of planning for effective control measures.

**What is Diffuse Pollution?**  
 Individually minor sources of pollution, but collectively significant across a catchment, it is a result of land use activities and is broadly followed by rainfall. For our operations this means the release of sediment, nutrients, pesticides and oil to the water environment either individually or a combination of harvesting, drainage, ground preparation, road construction or timber haulage.

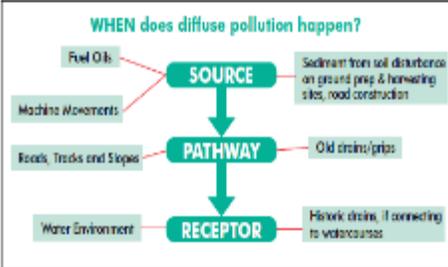
**What is a Risk Assessment?**  
 A process to assess the suitability of different sites and contribute towards more effective control measures. Site assessed on a scale of high risk will influence the degree of planning, selection of techniques and control measures required to minimise the risk of diffuse pollution and thus protect the environment.

**What is our aim?**  
 To reduce overall diffuse water runoff, erosion and downstream pollution associated with the site as a result of harvesting, drainage, ground preparation and rebedding operations. In so doing, to prevent environmental damage, protect our forest production, brand and our reputational damage.

Identification of potential diffuse pollution risks should form part of the forest planning process.

Think of diffuse pollution in terms of the Source-Pathway-Receptor Model

**WHEN does diffuse pollution happen?**



```

graph TD
    subgraph SOURCE
        S1[Fuel Oil]
        S2[Machine Movements]
        S3[Sediment from soil disturbance on ground prep & harvesting sites, road construction]
    end
    subgraph PATHWAY
        P1[Roads, Tracks and Slopes]
        P2[Old drains/ditches]
    end
    subgraph RECEPTOR
        R1[Water Environment]
        R2[Historic drains, if connecting to watercourses]
    end
    SOURCE --> PATHWAY
    PATHWAY --> RECEPTOR
  
```

Sites and associated activities (the SOURCE) are linked to potential sensitive Receptors through identified Pathways (roads, machine tracks, drains, water courses).



# Pre Commencement

### Harvesting Pre-Commencement Meeting Checklist

Contract No: \_\_\_\_\_ Location: \_\_\_\_\_

Proposed Start Date: \_\_\_\_\_ Estimated Completion Date: \_\_\_\_\_

Contact	Firm Name	Telephone	Event/Notes
TOPE Manager (Stumpwork Allowed)			
Stumpwork Contractor / Regulator (Stumpwork Allowed)			
LANDWORK Regulator (Stumpwork Allowed)			
Site Safety Coordinator			
Harvesting Contractor (if required)			
Other			
Other			

HARVESTING OPERATIONS	Comments / Action Required
<b>PLANT &amp; EQUIPMENT:</b> What equipment is being brought to site? (check during time of contract, any machinery being brought onto site and not identified at pre-commencement meeting should be reported to the TOPE Manager) Are plant and equipment access routes into the forest discussed and agreed?	(continue on back table if necessary)
Any special requirements for removal of plant and equipment on and off the site? E.g. weight / loads in height of ground lines on access roads.	
<b>TREES TO BE FOLDED / REMOVED:</b> 1. Are those on site marked? 2. Condition and logs being recorded are clearly marked or identified? 3. Condition marking condition is based on being marked & map or equivalent. 4. Folding color and log tagged.	1. 2. 3. 4.
Are there any restrictions on the timing of trees to be worked?	
1. Is the timing (date or place) correct agreed? 2. Is the Place Access Regulator content? (check notes)	1. 2.
<b>CONTRACTOR'S INSTRUCTION ORDER (SIO)</b> 1. Is the SIO complete and agreed prior to work starting?	1. YES / NO
2. Have all requests to amend SIO been clearly agreed since the SIO was written, if not please amend SIO.	2.
<b>STACKING OF TIMBER</b> Are areas for stacking of timber identified and agreed?	

### CLEAR BOUNDARY MARKING EXAMPLES (Use of paint and tapes)

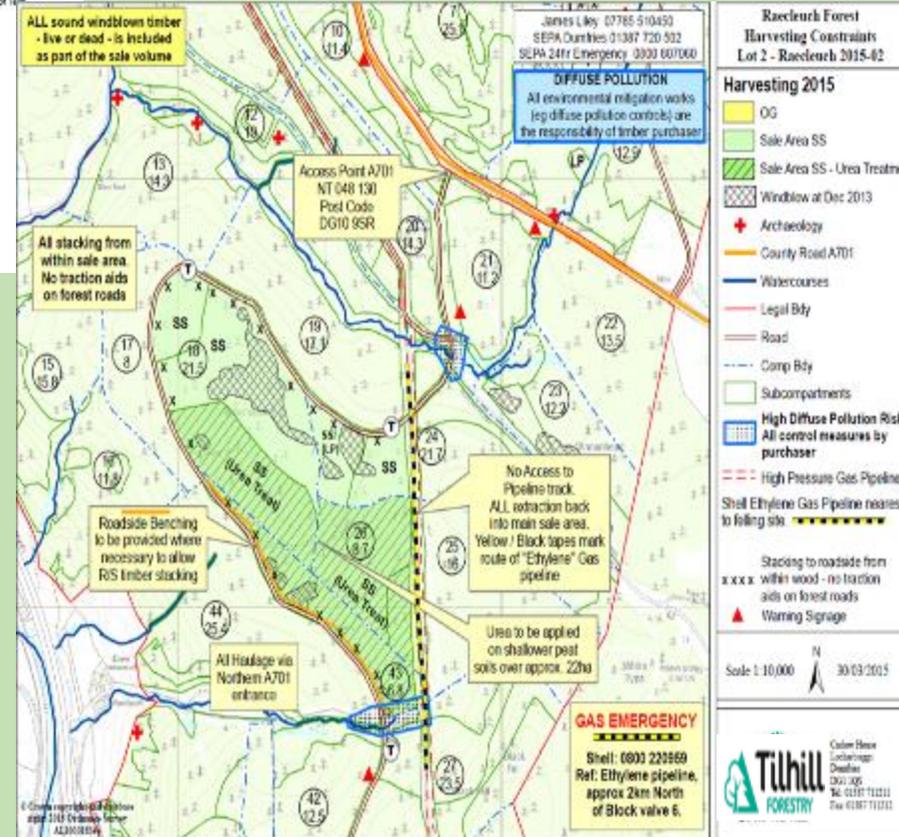


Boundary marking at 20ft level, based on frequency of marking as you walk along on to clear line of the tree marked trees

Boundary marking on ground level due to heavy branching. Note the use of Tapes & Spray Paint

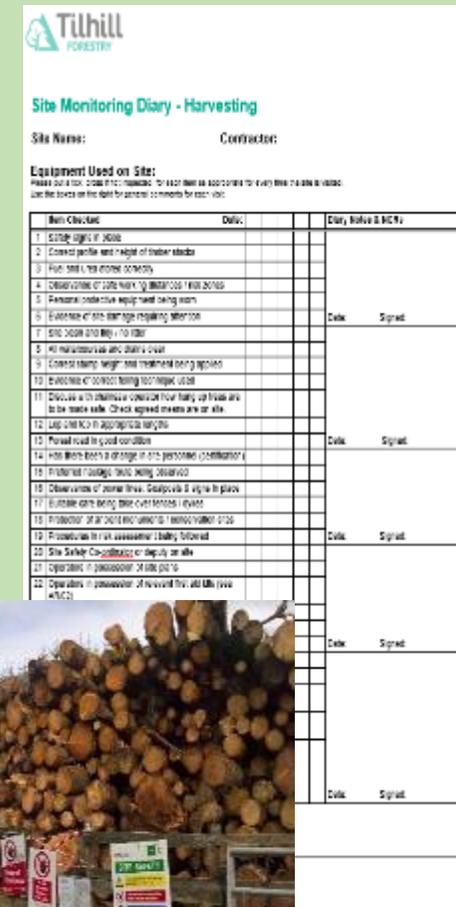


Spray Paint used to mark the boundaries.



# Commencement & monitoring

1. Method / Procedure / Organisation & Documentation
2. Safe Working Practices
3. Use of PPE
4. Tools and equipment
5. Protected species
6. Biosecurity, designated & protected sites
7. Diffuse pollution prevention
8. Waste (planting bags / grease cartridges)
9. Work to specification & quality (selecting an appropriate contractor)

**Site Monitoring Diary - Harvesting**

Site Name: \_\_\_\_\_ Contractor: \_\_\_\_\_

**Equipment Used on Site:**  
Please list all tools, cables etc. used on site that are appropriate for every time the site is visited. Use the boxes on the right for general comments for each item.

Item checked	Date:	Day	Name & BCN:
1. Safety signs in place			
2. Correct profile and height of timber stacks			
3. High visibility safety vests worn			
4. Observance of 200m safety zone			
5. Personal protective equipment being worn			
6. Evidence of site signage (posting, warning)			Date: _____ Signed: _____
7. Site clear and tidy			
8. All materials used are clean			
9. Correct stamp/signage treatment being applied			
10. Evidence of correct logging technique used			
11. Discussed with contractor how fully up to date are to be made safe. Check agreed means are in place.			
12. Log stacks in appropriate locations			
13. Personal road in good condition			Date: _____ Signed: _____
14. No more than 3 people in site personnel (contractors)			
15. Protected species signs being observed			
16. Observance of zone lines, gaps and signs in place			
17. Suitable gear being used (overalls, gloves)			
18. Protection of all protected areas (monitored) etc.			
19. Protection of all protected areas being followed			Date: _____ Signed: _____
20. Site Safety Co-ordinator or deputy on site			
21. Operator in possession of site plan			
22. Operator in possession of relevant first aid kit (see 4.10.1)			Date: _____ Signed: _____

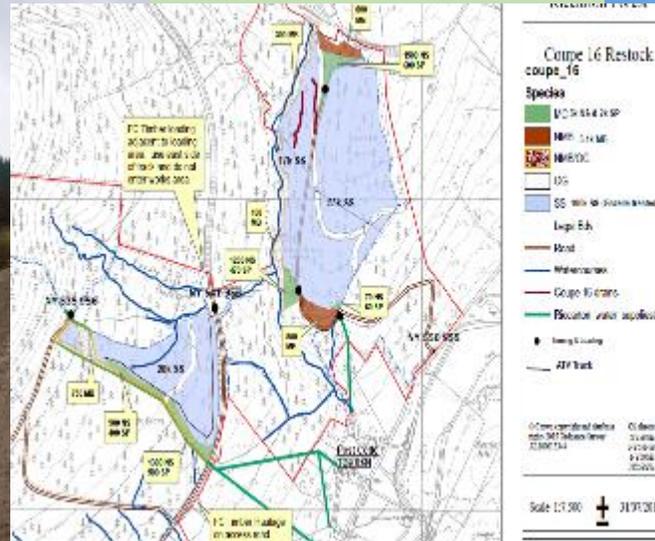
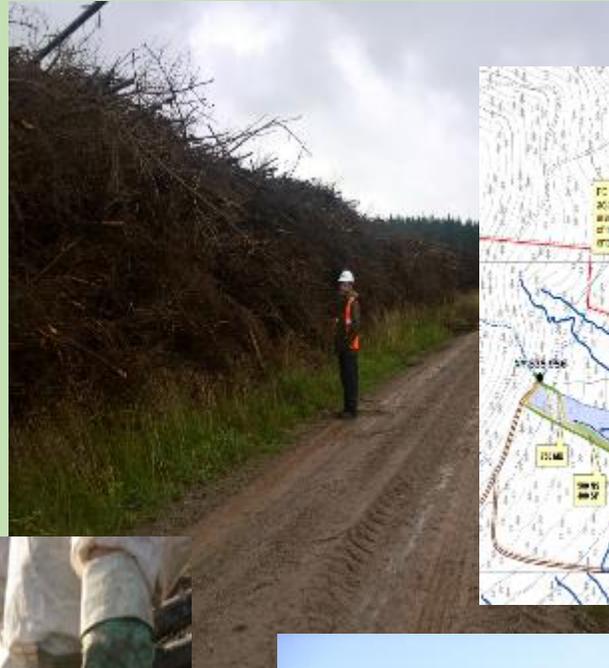
Operator	Volume type	Start date	End date
All operators	m <sup>3</sup>		
Time report			
Site start date and time	20/01/2017 17:48:12	Total number of stems	2903 pcs
Shift start date and time		Total number of logs	8761 pcs
Site time	13 days, 20:55:37	Total volume	1039.92 m <sup>3</sup>
Shift time		Average production per hour	17.86 m <sup>3</sup>
Utilisation	0.0 %	Stems per hour	91.26 pcs
Availability	0.0 %	Average BHD	279 mm
Total fuel consumption	1230.0 l		
Average fuel consumption	1.18 l/m <sup>3</sup>		
Average fuel consumption	1.18 l/m <sup>3</sup>		
All Species	m <sup>3</sup>	2903	1036.11 0.15 100
All assortments	m <sup>3</sup>	8761	1000.67 263.00 69



# Site hand over & restoration



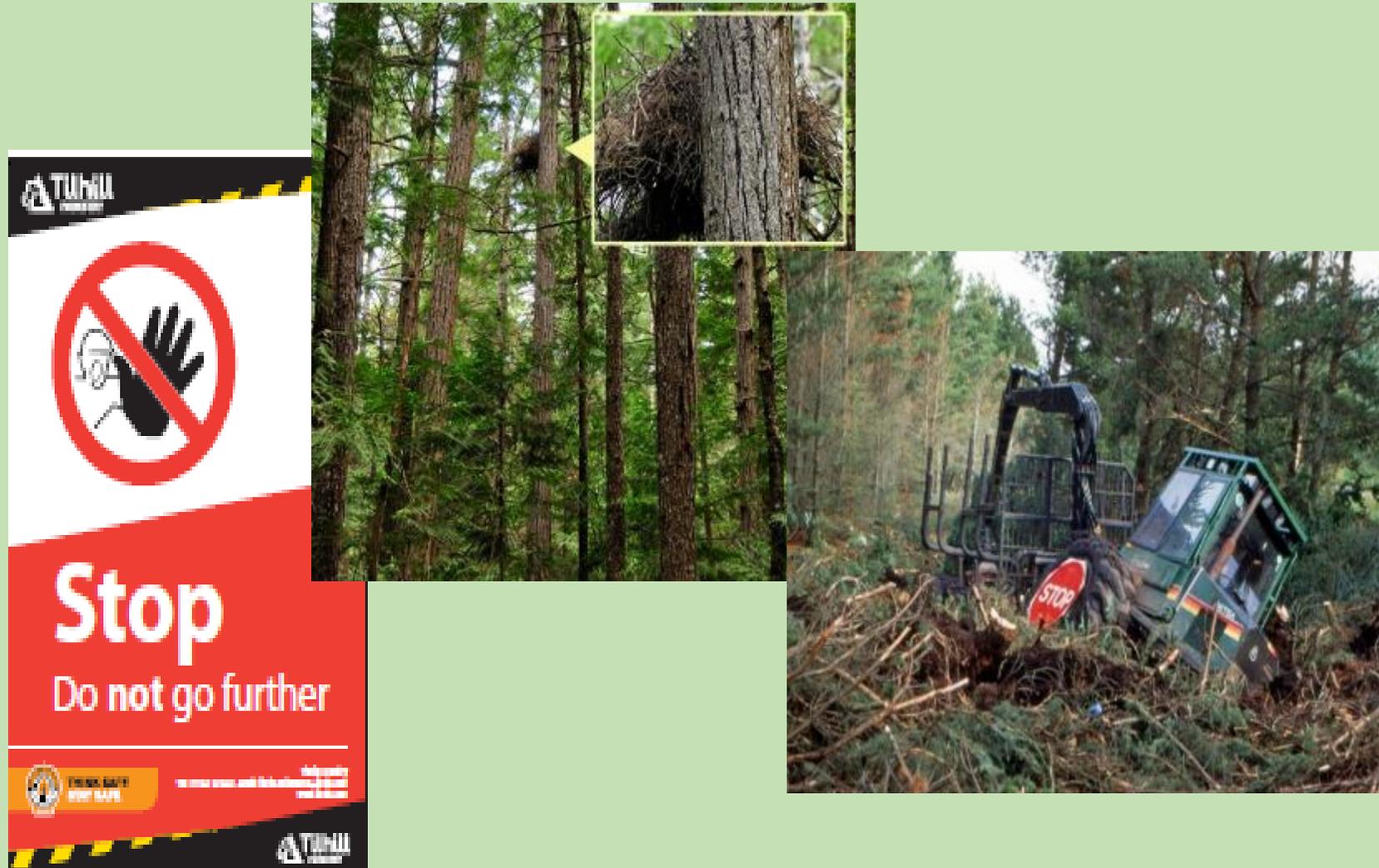
# Restocking



## Summary

- Highest risk activity – Always check competencies before work commences & **record it has been done.**
- Ensure maps (site hazards & sensitivities) are current & clear
- Pre commencement meeting & record– Essential for all harvesting.
  - Ensure the right people are present – It is a record of a meeting.
  - Complete fully and accurately.
- Site Diary records – ensure enough detail based on site, contractor & works
  - Discussions with operators/ contractors.
  - **Specific** to what is happening at time.

# Years to create, seconds to destroy



# FC engagement on inspection (FC regulatory control) of Restocking



## Operational Site Assessment Guide

### 1 Introduction

This is a short guide to the [Operational Site Assessment \(OSA\) template](#) that is located on the [Woodland Planning Grant pages](#) of the Forestry Commission internet site.

### 2 What is an OSA?

An OSA is a simple check list that may be used when planning forest operations such as harvesting or civil engineering work. It is designed to remind the person planning the operation to think about any aspect of the work that could cause a problem – either to the people directly involved in the operation; to third parties such as members of the public, neighbours etc; to wildlife on or adjacent to the site; or to the owner who ultimately is legally responsible for operations that occur on their land.

The OSA relates to the site where the work will take place and should be completed in association with a site visit and be accompanied by a map(s) of the work area. It can also subsequently be used as a working document, given to operators working on site to inform their working practices.

### 3 When should I complete an OSA?

Ideally the OSA is there to remind you of any operational problems that need to be addressed **before** you start work. You need to leave enough time to put in place any mitigation procedures. However many of the elements covered in the OSA are transitory so it should be completed as near to the date of operations as possible. In particular wildlife can come and go so if you complete the OSA months in advance of operations you may miss protected species that subsequently move in to the area.

It is important that you relate any issues to an accurate map(s) so all parties are quite clear what area is involved. A clear and accurate map can be far more useful than pages of text.

### 4 How do I complete an OSA?

Look at each element on the OSA and decide whether it is present on site. Some information you can find from your own records and the web such as site designations, determining whether it is an ancient woodland site or whether it is a Site of Special

Operational Site Assessment  
Complete immediately prior to operations.  
Please include detail on a map wherever possible.

Site Feature	Present Y/N	Possible impact of operations	Measures taken (eg time of year, revised extraction route etc)
Watercourses/Drains			
Mires/Ponds/Wetlands			
Overhead Powerline			
Underground Pipelines			
Basements/Wayleaves			
Quarries/Mine Shatts			
Bridges/Culverts			
Roads			
Other Adverse Terrain / Soil			
Fence Lines			
Access Gates			
Third Party Access			
Public Rights of Way			
Other (Specify)*			

Designation	Present Y/N	Possible Impact of operations	Measures taken (eg time of year, revised extraction route etc)
ASNW			
PAWS			
SPA/SAC			
SSSI			
LNR			
SAM or archaeological feature			
CROW			
Other (Specify)*			

Where consent is required to work on a designation (e.g. SSSI, SAM) has it been obtained? Yes  No

Conservation Interest Feature	Present Y/N	Possible impact of operations	Measures taken (eg time of year, revised extraction route etc)
Badger Setts			
Raptor Nesting Areas			
Nesting birds			
European Protected Species (consider species individually)			
Mires or Ponds			
Watercourses			
Gill woodland			
Environmental Corridor			
Veteran Trees			
Deadwood			
Rare Plants			
Other (Specify)*			

\*Note: there may be other elements to consider not listed here. This should not be viewed as a complete and exhaustive list.

Comment and notes (Date of survey, method etc).

